

ABSTRACT OF THE INVENTION

1  
2           An improved diagnostic device for inspecting the pneumatic braking  
3 systems and electrical signaling systems on a cargo hauling trailer comprises a  
4 unique circuit arrangement permitting a single inspector to inspect the pneumatic  
5 braking systems and when required, override diagnostic cycling of the brakes  
6 between applied and released states to an alternate diagnostic wherein the system  
7 is continuously supplied with air to permit leak detection. A solenoid, normally  
8 cycling air to the pneumatic braking systems under the control of a programmable  
9 timer, can be overridden and powered to supply continuous air, regardless of the  
10 state of the timer, by actuating a brake light circuit which is connected to the  
11 solenoid through a pressure actuated switch.